1

	SEQUENCE LISTING													
	<110> Degussa-Hüls Aktiengesellschaft													
5	<120> Hydantoin-Racemase													
	<130> 990097 AM													
1.0	<140>													
10	<141>													
	<160> 5													
15	<170> PatentIn Ver. 2.1													
	<210> 1													
	211> 27													
	<212> DNA													
20	<213> Artificial Sequence													
20	•200													
	<220> <223> Description of Artificial Sequence: Primer 1137													
	VZZJV Description of Artificial Sequence. Framer 2237													
	<400> 1													
25	agaacatatg agaatcctcg tgatcaa	27												
	J													
•														
	<210> 2													
30	<211> 30													
30	<212> DNA <213> Artificial Sequence													
	V213> Altificial bequence													
	<220>													
	<223> Description of Artificial Sequence: Primer 1138													
35														
	<400> 2													
	aaaactgcag ctagaggtac tgcttctctg	30												
	-210x 2													
40	<210> 3													
4 0	<211> 711 <212> DNA													
	<213> Arthrobacter aurescens													
	<220>													
45	<221> CDS													
	<222> (1)(711)													
	< 400> 3													
	atg aga atc ctc gtg atc aac ccc aac agt tcc agc gcc ctt act gaa	48												
50	Met Arg Ile Leu Val Ile Asn Pro Asn Ser Ser Ser Ala Leu Thr Glu	40												
-	1 5 10 15													
	teg gtt geg gae gea gea caa caa gtt gte geg ace gge ace ata att	96												
	Ser Val Ala Asp Ala Ala Gln Gln Val Val Ala Thr Gly Thr Ile Ile													
55	20 25 30													
	tet gee ate aac eee tee aga gga eee gee gte att gaa gge age ttt	14												
	Ser Ala Ile Asn Pro Ser Arg Gly Pro Ala Val Ile Glu Gly Ser Phe 35 40 45													
	20 20 20													

5			Ala			acg Thr											192
_		Arg				ccc Pro 70											240
10						gtc Val											288
15						atc Ile							_	_			336
20						ctc Leu	_		_				_		_	_	384
25						gcg Ala											432
23						gcc Ala 150								_	_		480
30						gcc Ala											528
35						tgc Cys											576
40						gtc Val											624
45						ttg Leu											672
40						ccg Pro 230							tag				711
50	<210> 4 <211> 237 <212> PRT																
55		> Ar		bact	er a	ures	cens	•									
			Ile	Leu	Val 5	Ile	Asn	Pro	Asn	Ser 10	Ser	Ser	Ala	Leu	Thr 15	Glu	

Ser Val Ala Asp Ala Ala Gln Gln Val Val Ala Thr Gly Thr Ile Ile Ser Ala Ile Asn Pro Ser Arg Gly Pro Ala Val Ile Glu Gly Ser Phe 5 Asp Glu Ala Leu Ala Thr Phe His Leu Ile Glu Glu Val Glu Arg Ala 55 10 Glu Arg Glu Asn Pro Pro Asp Ala Tyr Val Ile Ala Cys Phe Gly Asp Pro Gly Leu Asp Ala Val Lys Glu Leu Thr Asp Arg Pro Val Val Gly 15 Val Ala Glu Ala Ala Ile His Met Ser Ser Phe Val Ala Ala Thr Phe 105 Ser Ile Val Ser Ile Leu Pro Arg Val Arg Lys His Leu His Glu Leu 20 Val Arg Gln Ala Gly Ala Thr Asn Arg Leu Ala Ser Ile Lys Leu Pro Asn Leu Gly Val Met Ala Phe His Glu Asp Glu His Ala Ala Leu Glu 25 155 150 Thr Leu Lys Gln Ala Ala Lys Glu Ala Val Gln Glu Asp Gly Ala Glu 165 170 30 Ser Ile Val Leu Gly Cys Ala Gly Met Val Gly Phe Ala Arg Gln Leu 185 Ser Asp Glu Leu Gly Val Pro Val Ile Asp Pro Val Glu Ala Ala Cys 35 Arg Val Ala Glu Ser Leu Val Ala Leu Gly Tyr Gln Thr Ser Lys Ala 215 40 Asn Ser Tyr Gln Lys Pro Thr Glu Lys Gln Tyr Leu 230